

GRAYCARY

RECEIVED
CENTRAL FAX CENTER2000 University Avenue
East Palo Alto, CA 94303
www.graycary.com

SEP 24 2004

OJ 650-833-2121
PJ 650-833-2001

September 24, 2004

FAX TRANSMISSION COVER SHEET

To:U.S. Patent and Trademark Office
Attn.: Examiner BocureTelephone:Fax Number:
703-872-9306From: Jenny Sung
650-833-2121

Client-Matter Number: 2102462-991101

Re: VIRTUAL CHANNEL SATELLITE COMMUNICATION SYSTEM WITH IMPROVED
BANDWIDTH EFFICIENCYPages: - 20 - (including this form) Originals: will be mailed will not be mailed
If there is a problem with this transmission, please call (650) 833-1548
Fax Operator/Ext.

Message:

Please see attached copies of the response to the office action originally sent September 11, 2003
and faxed to you on May 19, 2004:

1. Transmittal Form (1 pg);
2. Response w/Request for Continued Examination (7 pgs);
3. Information Disclosure Statement w/Form PTO 1449 (3 pgs);
4. IDS References: 1 US Patent; 1 PCT International Search Report;
5. Fee Transmittal FY 2003 (1 pg);
6. Check #544039 for \$375.00;
7. Certificate of First Class Mail (1 pg); and
8. Return postcard.

CONFIDENTIALITY NOTICE

This communication is ONLY for the person named above. Unless otherwise indicated, it contains information that is confidential, privileged or exempt from disclosure under applicable law. If you are not the person named above, or responsible for delivering it to that person, be aware that disclosure, copying, distribution or use of this communication is strictly PROHIBITED. If you have received it in error, or are uncertain as to its proper handling, please immediately notify us by collect telephone and mail the original to us at the above address. Thank you.

(Form Rev. 6/5/00)

USPTO 5/19/2004 1:54 PM PAGE 1/001 Fax Server
 Auto-reply fax to 650 833 2001 COMPANY:

Auto-Reply Facsimile Transmission



TO:
 Fax Information
 Date Received:
 Total Pages:

Fax Sender at 650 833 2001

5/19/2004 1:48:26 PM [Eastern Daylight Time]
 18 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
 Cover
 Page
 =====>

05/19/2004 10:42 FAX 650 833 2001 COVER #6 001

GRAYCARY
 8200 UNIVERSITY AVENUE
 Encino Park Area, CA 91313
 (800) 423-2121
 (818) 981-2001

May 19, 2004

FAX TRANSMISSION COVER SHEET

To: U.S. Patent and Trademark Office 703-672-8806
 Attn: Examiner Secure

From: Jerry Sung 2102482-001101
 650-833-2121

Client/Matter Number:

REC: VIRTUAL CHANNEL SATELLITE COMMUNICATION SYSTEM WITH DEPROVED
BANDWIDTH EFFICIENCY

Pages: 18 - (Including this form) Originals: will be mailed will not be mailed
If there is a problem with this transmission, please call (650) 623-1048 Fax Operator/Ext.

Message:
 Please see attached copies of the following documents originally mailed September 11, 2003

1. Transmittal Form (1 pg);
 2. Response w/Request for Continued Examination (7 pg);
 3. Information Disclosure Statement w/Form PTO 1449 (3 pg);
 4. IDS References: 1 US Patent; 1 PCT International Search Report;
 5. Fee Transmittal FY 2003 (1 pg);
 6. Check #6444030 for \$375.00;
 7. Certificate of First Class Mail (1 pg); and
 8. Return postcard.

CONFIDENTIALITY NOTICE

This communication is ONLY for the person named above. Unless otherwise indicated, it contains information that is confidential, privileged or exempt from disclosure under applicable law. If you are not the person named above, or responsible for delivering it to that person, do not read, copy, disclose, distribute or use of this communication is strictly PROHIBITED. If you have received it in error, or are uncertain as to its proper handling, please immediately notify us by calling telephone and mail this original to us at the above address. Thank you.

(Form Rev. 9/2/00)

PAGE 1/01 RCVD AT 9/24/2004 1:51:28 PM [Eastern Daylight Time] SVR:USPTO-EFXRF-1/1 DNIS:8729306 CSID:650 833 2001 DURATION (mm:ss):05:52

COPY

Commissioner for Patents
P.O. Box 1450, Mail Stop RCE
Alexandria, VA 22313-1450
Title: Virtual Channel Satellite Communication System With
Improved Bandwidth Efficiency
S/N: 10/039,632 Filed: 10/26/01 Docket #: 2102462-991101
Mailing Date: September 11, 2003

Enclosed are:

1. Transmittal Form (1 pg.);
2. Response w/Request for Continued Examination (7 pgs);
3. Information Disclosure Stmt. W/PTO Form 1449 (3 pgs.);
4. IDS References: 1 U.S. Patent; 1 PCT Int'l Search Report;
5. Fee Transmittal FY 2003 (1 pg.);
6. Check # 544039 for \$375.00;
7. Certificate of First Class Mail (1 pg); and
8. Return postcard.

2102462-991101 (Virtual Satellite)
22812/KJS

GRAY CARY WARE & FREIDENRICH

401 B STREET, SUITE 2000 SAN DIEGO, CA 92101

CHECK NO.:

544039

INVOICE	DATE	AMOUNT	
09/10/03 22518-	09-10-03	375.00	2102462-991101 (Virtual Satellite) Cathy Pittman Ext 7449

VENDOR ID: copt

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND ON WHITE PAPER

GRAY CARY WARE & FREIDENRICH

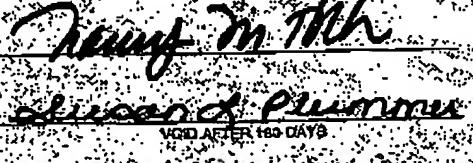
401 B STREET, SUITE 2000
SAN DIEGO, CA 92101-1240cooper - controlled date
Comerica Bank & Trust, N.A.

CHECK NO. 544039

DATE 09/10/03

AMOUNT OF CHECK
375.00

THREE HUNDRED SEVENTY-FIVE AND 00/100 U.S. DOLLAR

GRAY CARY WARE & FREIDENRICH
GENERAL ACCOUNTPAY
TO THE
ORDER OF
ASSISTANT COMMISSIONER
OF PATENTS
WASHINGTON, DC


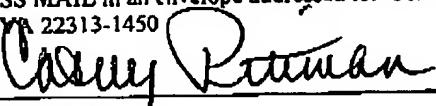
Edward J. Pomerance
VOID AFTER 180 DAYS

Attorney Docket No. 2102462-991101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DATE OF MAILING: September 11, 2003

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as FIRST CLASS MAIL in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop RCE, Alexandria, VA 22313-1450



Cathy Pittman

* * *

CERTIFICATE OF MAILING

Commissioner for Patents and Trademarks
Mail Stop RCE
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) are the following documents for the referenced application:

Applicant(s): Robert F. Friedman

Serial No.: 10/039,632

Group Art Unit: 2631

Filed: October 26, 2001

Examiner: T. Bocure

Title: SYSTEM AND METHOD FOR COMBINING MULTIPLE
SATELLITE CHANNELS INTO A VIRTUAL
COMPOSITE CHANNEL

Enclosed are:

- [1] Transmittal Form;
- [7] Response with Request for Continued Examination;
- [3] Information Disclosure Statement w/PTO Form 1449;
- [2] IDS References: 1 U.S. Patent; 1 PCT International Search Report;
- [1] Fee Transmittal FY 2003;
- [1] Check #544039 for \$375.00;
- [1] Certificate of First Class Mailing; and
- [1] Return Postcard.

PTO/SB21 (08-00)

Please type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

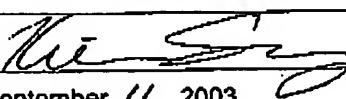
Total Number of Pages in This Submission

Application Number	10/039,632
Filing Date	October 26, 2001
First Named Inventor	Robert Friedman
Group Art Unit	2631
Examiner Name	T. Bocure
Attorney Docket Number	2102462-991101

ENCLOSURES (check all that apply)

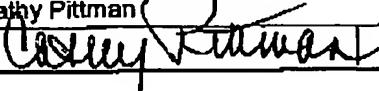
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group	
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences	
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)	
<input checked="" type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information	
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter	
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):	
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	IDS References: 1 US Patent, PCT Int'l Search Rpt for PCT/US02/29729	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Response w/Request for Continued Examination (7 pgs); Check #544039 for \$375.00;	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks		Certificate of First Class Mail; Return postcard.
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application			
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53			

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual name	K. JENNY SUNG (Reg. No. 47,639) Gray, Cary Ware & Freidenrich
Signature	
Date	September 11, 2003

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Mail Stop RCE, Alexandria, VA 22313-1450 on this date:

Typed or printed name	Cathy Pittman	Date	September 11, 2003
Signature			

Gray Cary\EM\7146136.1
2102462-991101

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 375.00)

Complete if Known	
Application Number	10/039,632
Filing Date	October 26, 2001
First Named Inventor	Friedman
Examiner Name	T. Bocure
Group Art Unit	2631
Attorney Docket No.	2102462-991101

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account Number **07-1696**
Deposit Account Name **Gray Cary Ware & Freidenrich LLP**

The Commissioner is authorized to: (check all that apply)

Charge fees indicated below. Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001	740	2001 370 Utility filing fee	
1002	330	2002 165 Design filing fee	
1003	510	2003 255 Plant filing fee	
1004	740	2004 370 Reissue filing fee	
1005	160	2005 80 Provisional filing fee	

SUBTOTAL (1) (\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims **-20** =** **X** **=** **Fee Paid**
 Independent Claims **-3** =** **X** **=** **Fee Paid**
 Multiple Dependent **X** **=** **Fee Paid**

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1202	18	2002 9 Claims in excess of 20	28
1201	84	2001 42 Independent claims in excess of 3	01
1203	280	2003 140 Multiple dependent claim, if not paid	
1204	80	2004 42 ** Reissue independent claims over original patent	
1205	18	2005 9 ** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ 0.00)

**or number previously paid, if greater. For Reissues, see above

FEE CALCULATION (continued)			
3. ADDITIONAL FEES			
Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051 85 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 Filing a request for ex parte reexamination	
1804	820*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	400	2252 200 Extension for reply within second month	
1253	920	2253 460 Extension for reply within third month	
1254	1,440	2254 720 Extension for reply within fourth month	
1255	1,960	2255 980 Extension for reply within fifth month	
1401	320	2401 160 Notice of Appeal	
1402	320	2402 160 Filing a brief in support of an appeal	
1403	280	2403 140 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,280	2453 840 Petition to revive - unintentional	
1501	1,280	2501 640 Utility issue fee (or reissue)	
1502	460	2502 230 Design issue fee	
1503	620	2503 310 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1808	180	1808 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1809	740	2809 370 Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	740	2810 370 For each additional invention to be examined (37 CFR § 1.129(b))	
1801	740	2801 370 Request for Continued Examination (RCE)	375
1802	900	1802 900 Request for expedited examination of a design application	
Other fee (specify)			
Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$ 375.00)	

SUBMITTED BY

Name (Print/Type)	K. Jenny Sung	Registration No. (Attorney/Agent)	48,639	Telephone	650-833-2121
Signature				Date	September 24, 2003